

**ATTORNEY DOCKET NO. 04156.0022U1
APPLICATION NO. 10/573,864**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A photovoltaic element comprising a photon absorber and an electrically conductive large-surface working element, made of metal, that is at least partly embedded in the photon absorber, the working element being separated from the photon absorber by a phase boundary, and the working element having a greater electron mobility than the photon absorber.
2. (Currently Amended) The photovoltaic element of claim 1, characterized in that the working element is substantially electrically insulated, namely neither connected to a positive nor to a negative pole of the photovoltaic element.
3. (Previously Presented) The photovoltaic element of claim 1, characterized in that at least one conductor is at least partly embedded in the photon absorber, which conductor especially has the same composition as the working element.
4. (Currently Amended) The photovoltaic element of claim 3, characterized in that the working element and the ~~conductors are~~ at least one conductor is elongate and substantially parallel to each other.
5. (Currently Amended) The photovoltaic element of claim 3, characterized in that the ~~conductors are~~ at least one conductor comprises a plurality of conductors wherein at least one conductor is configured as a positive conductor and at least one conductor is configured as a negative conductor, the positive conductor ending at or protruding beyond a first front side of the photon absorber and the negative conductor ending at or protruding beyond a second front side of the photon absorber.

ATTORNEY DOCKET NO. 04156.0022U1
APPLICATION NO. 10/573,864

6. (Currently Amended) The photovoltaic element of claim 5, characterized in that, ~~in a multi-layered structure~~, at least two photon absorbers are provided in a multi-layered structure that are in contact via an abutment surface in which the at least one positive conductor econductors and the at least one negative conductor econductors in each photon absorber are arranged such that the positive conductors and the negative conductors are separated from each other by the abutment surface.
7. (Previously Presented) The photovoltaic element of claim 5, characterized in that a plurality of positive conductors are connected with each other through a first omnibus conductor and a plurality of negative conductors are connected with each other via a second omnibus conductor.
8. (Currently Amended) The photovoltaic element of claim 1, characterized in that the photon absorber is substantially made of silicon, ~~especially of anisotropic monocrystalline silicon~~.
9. (Currently Amended) The photovoltaic element of claim 6 [[8]], characterized in that two respective photon absorbers have a mutually anti-parallel crystal structure.
10. (Canceled).
11. (Currently Amended) The photovoltaic element of claim 10, characterized in that the metal of the working element is from the 3. – 6. main group or is a subgroup metal from the 1. – 8. subgroup, ~~its~~ the electron configuration of the metal preferably having a d-layer occupied by ~~at least~~ ten electrons.
12. (Previously Presented) The photovoltaic element of claim 1, characterized in that the working element has an electric conductivity higher than $1.4 \Omega^{-1} \text{ cm}^{-1}$, preferably higher than $1.6 \Omega^{-1} \text{ cm}^{-1}$, more preferred higher than $2.0 \Omega^{-1} \text{ cm}^{-1}$.

**ATTORNEY DOCKET NO. 04156.0022U1
APPLICATION NO. 10/573,864**

13. (Currently Amended) A photovoltaic device comprising a receiving element (54) with recesses in which at least one photovoltaic element of claim 1 is arranged, wherein conductors present in the photovoltaic element are each connected to omnibus conductors.
14. (Currently Amended) The photovoltaic device of claim 13, characterized in that a plurality of photovoltaic elements are arranged in the recesses ~~at least one recess~~, the recesses ~~recess~~ being in contact with at least one photon absorber of the photovoltaic element.
15. (Previously Presented) The photovoltaic device of claim 13, characterized in that a plurality of first connecting conductors and a plurality of second connecting conductors are each connected with first current conductors and second current conductors, respectively.
16. (Previously Presented) The photovoltaic device of claim 13, characterized by connecting means for mechanically and electrically connecting at least two photovoltaic devices arranged side by side.
17. (New) The photovoltaic element of claim 8, characterized in that the photon absorber is substantially made of anisotropic monocrystalline silicon.